



Section E

300 Area Facility Transition

PROJECT MANAGERS

B. Bilson, RL
(509) 376-6628

N.C. Boyter, FH
(509) 373-3725

INTRODUCTION

The 300 Area Facility Transition consists of 324 Facility Safe Shutdown, 327 Facility Safe Shutdown, Miscellaneous Radiological Facilities Deactivation, and Project Management and Support, Project Baseline Summary (PBS) RL-RC06, Work Breakdown Structure (WBS) 3.1.6.

NOTE: Unless otherwise noted, all information contained herein is as of the end of June 2002.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that one milestone was completed on schedule and two milestones are overdue. For the remainder FY 2002, one milestone was completed in FY00, one milestone is on schedule, and one milestone is proposed for deletion.

NOTABLE ACCOMPLISHMENTS

324 Facility Safe Shutdown— The Project continued to effectively resolve emerging technical and vendor delivery problems to essentially maintain 324 Spent Nuclear Fuel (SNF) Project on the accelerated schedule. Support for this effort included: completion of 81 of 82 affidavits and 115 of 122 punch list items, and completion of the management self-assessment with declaration of readiness to perform the Readiness Assessment. Additional work at the 324 Building included shipment of a waste box containing three legacy waste drums to the Central Waste Complex (CWC), with two legacy waste boxes left to complete; and shipment of a waste box containing the six-ton crane to the CWC.

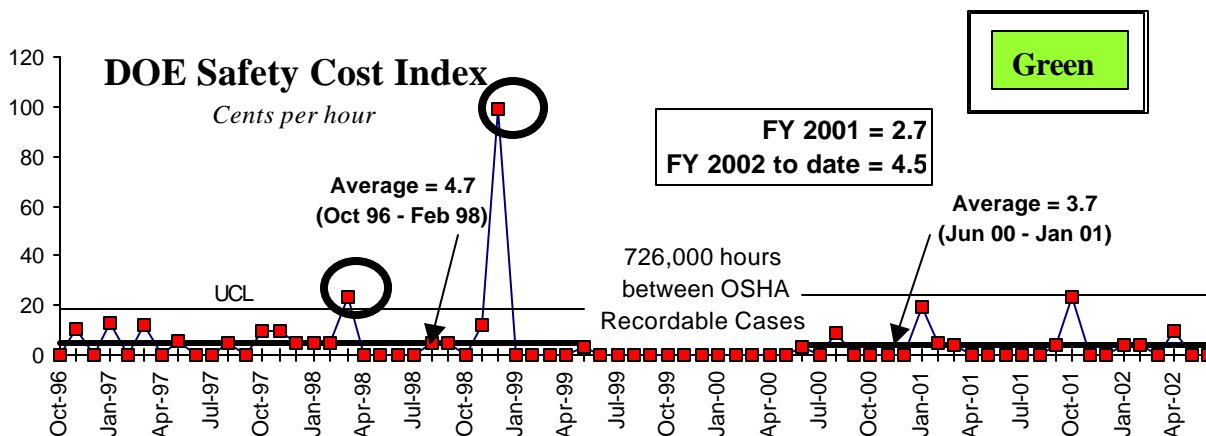
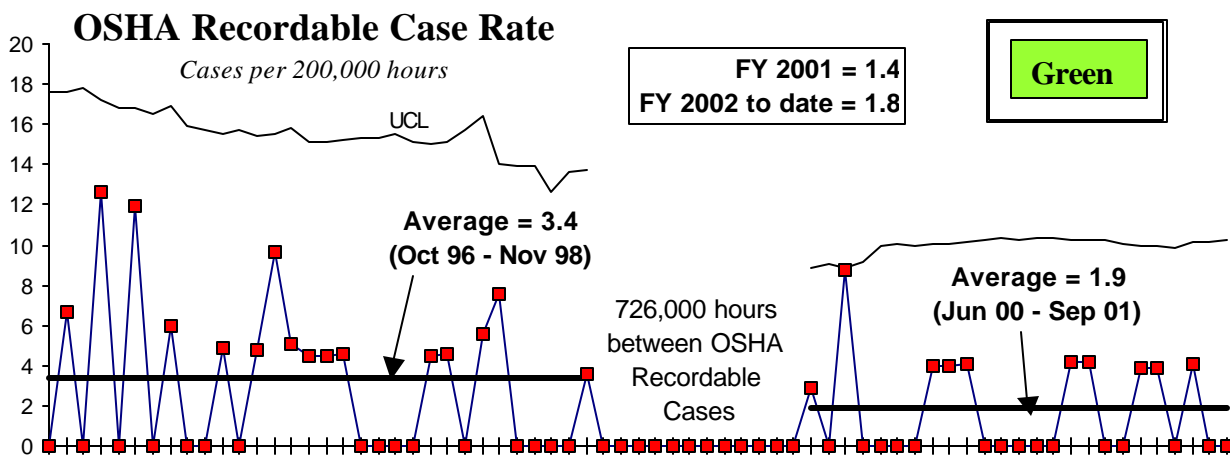
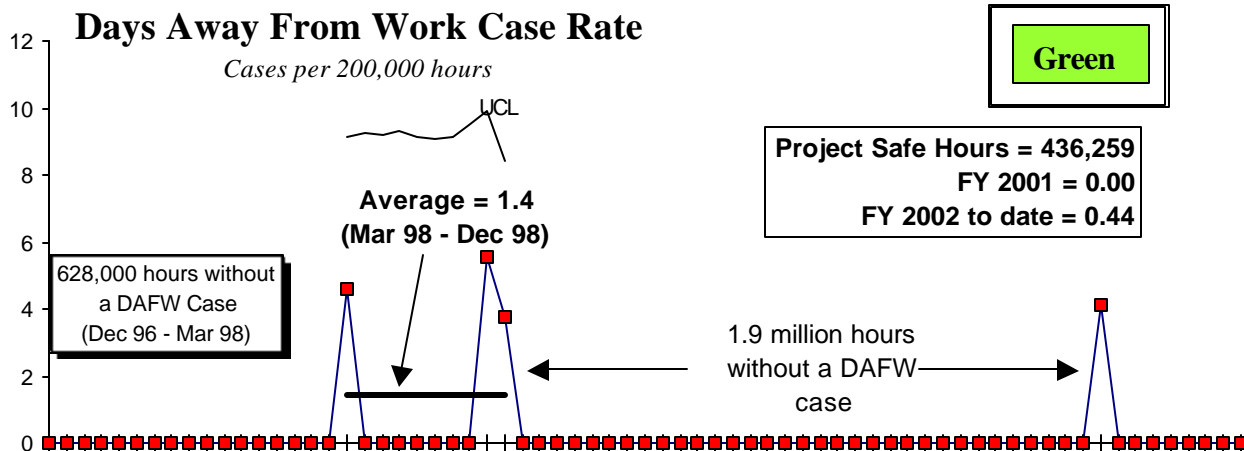
327 Facility Safe Shutdown— The interim cleanout of B Cell was completed removing all remaining inventory and materials from the interior of the cell, as well as the electrical and mechanical services. Repackaging of PNNL legacy waste was completed with containers #14 and #15. Shipment of these two containers and waste container #16 will complete the removal of the 18 legacy waste containers left when the 327 Building transitioned from PNNL to the PHMC. Additionally, the Accelerated Site Technology Deployment (ASTD) funded neutron detection instrument pod fabrication was completed and is awaiting delivery to the 327 Building. This instrument is one of the four required to conduct the hot cell characterization activities proposed in the ASTD project.

Misc. Radiological Facilities Deactivation— The 303K Resource Conservation and Recovery Act (RCRA) Closure Certification was submitted to RL, and approval was received from RL to downgrade buildings 303-A and 303-G from nuclear category 3 to industrial classification. In addition, the Safety Review Board review of the draft Basis for Interim Operation (BIO) was completed, and beryllium sampling in the 333 Building Maintenance Room (which had not been entered since the 1980s) was completed.

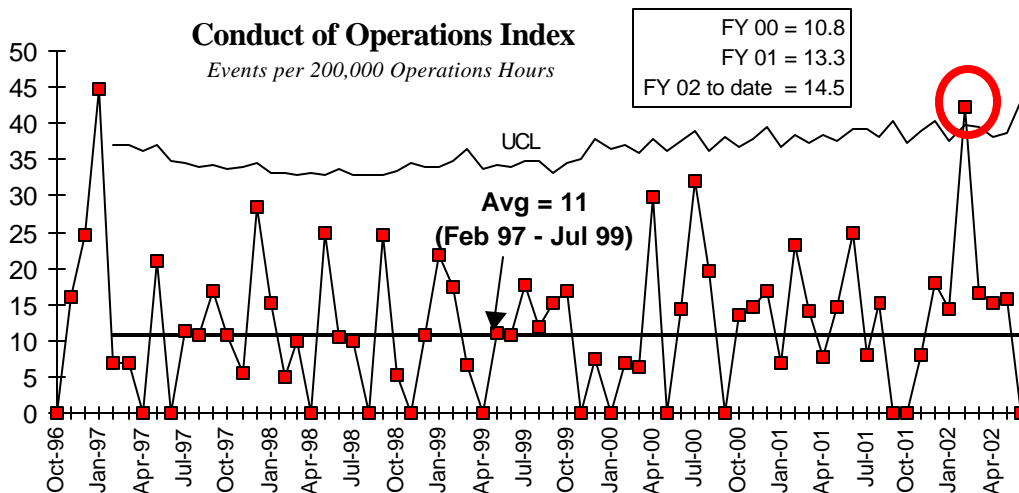
SAFETY

River Corridor (RC) has achieved 436,259 safe work hours since the last Days Away from Work case. The last Days Away from Work case occurred on October 9, 2001. During the month of June there was one first-aid case.

Safety (Continued)



CONDUCT OF OPERATIONS



BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Monolithic Removal of 327 Hot Cells — In order to support accelerated 300 Area closure, RC is integrating decommissioning and demolition with deactivation activities where practical. Intact removal of the 327 hot cells appears to be technically feasible, to have potentially significant ALARA benefits, and to result in schedule/cost reduction. Certification that the hot cells can be disposed of as non-Transuranic waste is key to adopting monolithic removal as the technical baseline. In support of this initiative, RC was successful in obtaining Accelerated Site Technology Deployment (ASTD) funding (\$935K) to purchase in-situ characterization instruments that will lead to the eventual low-level waste certification. The first of four characterization instruments (a neutron detection system) has been fabricated and is available for deployment. The three additional instruments are on order and will be delivered before the end of the fiscal year.

Opportunities for Improvement

None to report.

UPCOMING ACTIVITIES

Spent Nuclear Fuel (SNF) — Accomplish accelerated schedule of five Pressurized Water Reactor (PWR) spent fuel assembly shipments by September 30, 2002.

Contract Transition — Support transfer of FH scope to River Corridor Closure Contract (RCCC) on September 30, 2002, or 90 days preceding contract award.

MILESTONE ACHIEVEMENT

FH Contract Milestones

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
TRP-01-904	Complete TPA Milestone M-89-02	TPA	11/30/00	7/18/01		Complete
TRP-04-904	Sel Tech. for Highly Contam. Tank Rmvl (Technology Insertion Point)	RL	2/28/02		3/4/04	Delayed pending completion of 2012 Alignment Assessment which may result in deletion of the need for this work. Impact - not immediate - work supported by this TIP is planned for FY04. A letter to RL requesting deferral of TIP decision point is in review. Ultimate resolution dependent on rebaseline of deactivation path.
M-92-14	Complete Removal and Transfer, and Initiate Storage of Phase I 300 Area SCW and Materials	EA	9/30/02	3/28/00		Complete
TRP-02-700	Complete > 27% Remaining 324/327 Deactivation LC Scope	PI	6/30/02	6/30/02		Complete
TRP-02-701	Support RCP Contract Transition Plan	PI	6/30/02		TBD	The RL Performance & Analysis Team (PAT) reviewed and approved internally. Do not anticipate direction to proceed until the RC contract is awarded. Pending RL-CCB and commencement date for transition is TBD.
M-94-02	Submit an Amendment to the Existing 324 Building REC/HLV Closure Plan	TPA	7/30/02		7/30/02	Activities are on schedule.
TRP-01-947	Identify Tech Supporting 327 Hot Cell Removal as the Deactivation Strategy	RL	9/30/02		5/31/03	Not applicable with planned RCC contract, therefore, will be deleted.
M-92-15	Complete Removal and Transfer, and Initiate Storage of Phase II 300 Area SCW and Materials	EA	9/30/04	9/19/01		Complete

PERFORMANCE OBJECTIVES

Outcomes: Restore the River Corridor for Multiple Uses

Performance Indicator	Status
FHI-M8 – 300 Area Cleanup	
Measure 1: Accelerate 300 Area Cleanup	
Expectation 1: Deactivate 324/327 Buildings	
Base: Complete 26.5% remaining 324/327-baseline work by June 30, 2002.	Complete.
Base: Complete B Cell cleanout and shipment of B Cell waste to 200 Area Burial Grounds.	Complete.
Stretch: Complete additional 2.5% remaining 324/327-baseline work.	Complete – exceeded goal at 2.56%.
Expectation 2: Disposition surplus facilities	
Base: Disposition 3902A, 3802B & 303-K by September 30, 2001.	Complete.
Expectation 3: Disposition uranium billets, uranium dioxide, scrap materials in 200/300 Areas, and 303-K thorium-232 by September 30, 2001.	Complete.
Measure 2: Support RC contract transition	
Expectation 1:	
Stretch: Support RC contract transition by July 1, 2002.	Received a modification to the PI that changed the date from July 1, 2002, to “at direction of the contracting officer.” RL reviewing Transition Plan and change request. Proposals received by RL on 5/30/02.

FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

Sub-Project	BCWS	BCWP	ACWP	SV	%	CV	%	BAC
PBS RC06 WBS 3.1.6.1 324 Facility Safe Shutdown	16,831	17,373	17,233	542	3%	140	1%	21,877
PBS RC06 WBS 3.1.6.2 327 Facility Safe Shutdown	4,523	5,446	4,365	922	20%	1,081	20%	6,799
PBS RC06 WBS 3.1.6.3 Misc. Radiological Facilities Deactivation	1,848	1,837	1,589	(11)	-1%	248	14%	2,519
PBS RC06 WBS 3.1.6.4 300 Area Facilities Project Management	5,355	5,594	4,622	240	4%	972	17%	7,198
Total 300 Area FT	28,556	30,249	27,809	1,694	6%	2,441	8%	38,394

FY TO DATE SCHEDULE / COST PERFORMANCE

The favorable schedule variance of \$1.7M (6 percent) is primarily due to 327 min-safe efficiencies, and outyear work scope being performed ahead of schedule. The favorable cost variance of \$2.4M (8 percent) is due to 327 min-safe efficiencies, and less than planned labor and contract costs.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (+\$1.7M)

327 Facility Safe Shutdown — 3.1.6.2/RC06

Description and Cause: The favorable schedule variance was primarily due to outyear work scope being performed ahead of schedule.

Impact: None.

Corrective Action: No corrective action required.

All other sub-projects are within established thresholds.

Cost Variance Analysis: (+\$2.4M)

327 Facility Safe Shutdown — 3.1.6.2/RC06

Description and Cause: The favorable cost variance was primarily due to efficiencies realized in min-safe activities enabling completion of outyear work scope.

Impact: No impact.

Corrective Action: No corrective action required.

Misc. Radiological Facilities Deactivation — 3.1.6.3/RC06

Description and Cause: The favorable cost variance was due to labor efficiencies.

Impact: No impact.

Corrective Action: None required.

300 Area Facilities Project Mgt & Support — 3.1.6.4/RC06

Description and Cause: The favorable cost variance was primarily due to time phasing of contracts and labor underruns as a result of staff vacancies not yet filled.

Impact: No impact.

Corrective Action: Any underruns in funding will be utilized to support other priority work scope.

All other sub-projects are within established thresholds.

Funds Management FY 2002 FUNDS VS SPENDING FORECAST (\$000)

	FH Funds Reallocation	FYSF	Variance
River Corridor			
RC02, RC05, RC06, CP01			
Project Completion - Operating	\$ 37,408	\$ 36,183	\$ 1,225
Post 2006 * - Operating	\$ 27,101	\$ 26,759	\$ 342
- Line Item	\$ -	\$ -	\$ -
Total	\$ 64,509	\$ 62,942	\$ 1,567

[Status through June 2002]

ISSUES

Technical Issues

Issue: Ability to accelerate 324 schedule for five Pressurized Water Reactor (PWR) spent fuel assembly shipments by September 30, 2002 vs. December 2002 is potentially impacted by sub-contractor delays.

Impact: Must recover lost time in order to accomplish accelerated schedule.

Action Plan: The FH management self-assessment began on June 24, 2002, and completion is expected on July 8, 2002. The Project expects to declare readiness to proceed on July 15, 2002 and will undergo a combined FH/DOE Readiness Assessment (RA) that will be completed on August 2, 2002. Schedule is contingent on completion of the RA in ten working days, per existing agreement, rather than the scheduled 15 days, and will be aided by the judicious use of shift work and overtime.

Issue: 324 Shielded Material Facility (SMF) Artisan Arm procurement.

Impact: The Artisan Arm is required to complete activities in the SMF.

Action Plan: The Factory Acceptance Test (FAT) was to take place in Pittsburgh May 7-9, 2002, but was delayed due to the manufacturer awaiting receipt of material. Performance of the FAT is now being rescheduled to August 4, 2002, based on personnel availability in order to not conflict with the SNF shipments.

Regulatory Issues

Issue: Obtain RL, EPA, and Ecology agreement to modify 324 Closure Plan to CERCLA in support of realignment of the 324 baseline to the 2012 Plan. Obtain Ecology and RL relief on immediate activities that are contrary to the 2012 Plan.

Impact: Without relief there will be no alignment with the 2012 Plan.

Action Plan: FH submitted the amendment to RL on June 28, 2002, and will hold a workshop with RL and Ecology on July 11, 2002. RL is on track to submit the amendment to Ecology by July 30, 2002, meeting TPA M-92-02.

DOE Issues

Issue: Realign 327 baseline to 2012 Plan and obtain interim RL relief on immediate activities that are contrary to the 2012 Plan.

Impact: The present 327 baseline doesn't align with the 2012 plan and activities do not support the plan.

Action/Status: The study was completed on June 15, 2002. *(This is the last report for this item.)*

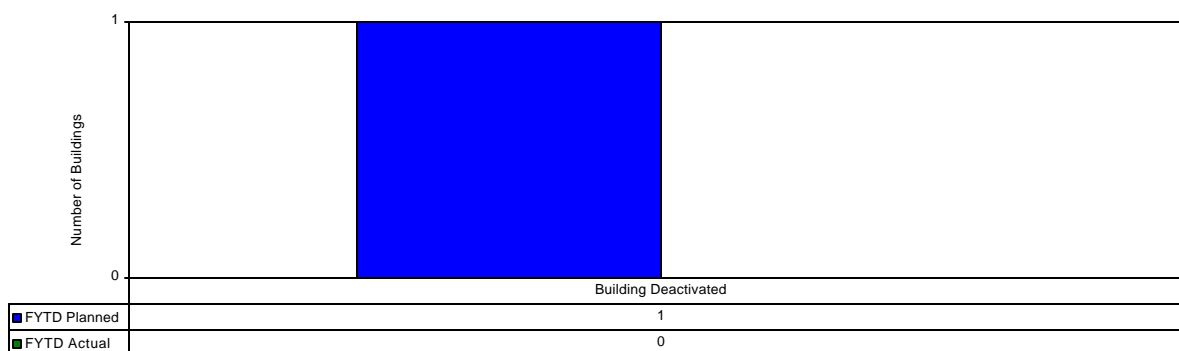
External Issues and DOE Requests

None to report.

BASILINE CHANGE REQUESTS CURRENTLY IN PROCESS

BCR No. Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
RC06-02-007 3.1.6.4	4/22/02	River Corridor Prj (RCP) Transition Activities		\$624		Transition Plan approved 5/14/02. BCR will be held until transition date established.

BUILDINGS DEACTIVATED



RC Buildings Deactivated: Building deactivation of 377 has been delayed until FY 2005 per EM Commitments.